

FIG. 1

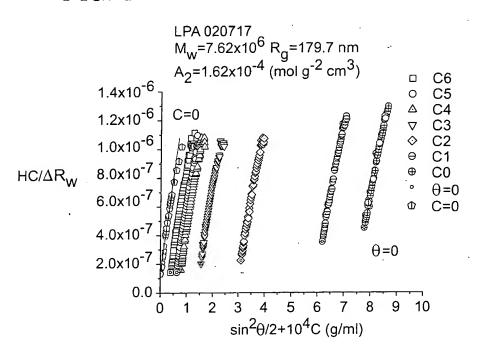
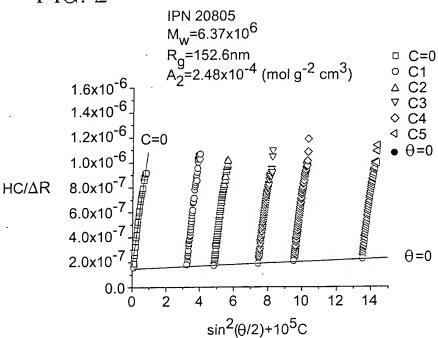


FIG. 2



Application Serial No.: 10/671,335
Inventors: Benjamin Chu, et al
Title: Quasi-Interpenetrating Networks Used
As Separation Media
Docket: 178-314 A

FIG. 3

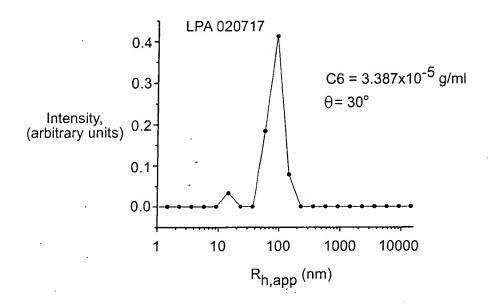
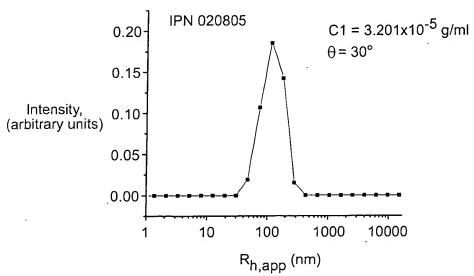


FIG. 4



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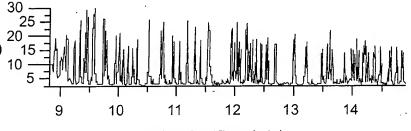
FIG. 5A

020604-2.0%; DNA: pGEM-3Zf(+) from the -21 M13 forward primer;

Capillary: 34/42cm; Injection: 75V/cm, 8s;

Run: 225 V/cm; Buffer: 1xTTE+7M urea; Temperature: 60°C

Fluorescence Intensity (x10³)



Migration Time (min)

FIG. 5B

020604-2.0%; DNA: pGEM-3Zf(+) from the -21 M13 forward primer;

Capillary: 34/42cm; Injection: 75V/cm, 8s;

Run: 225 V/cm; Buffer: 1xTTE+7M urea; Temperature: 60°C

Fluorescence Intensity (x10³)

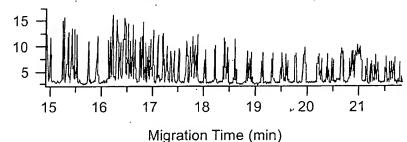
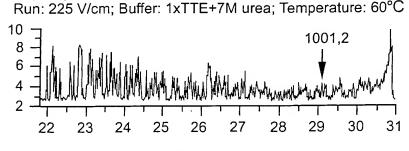


FIG. 5C

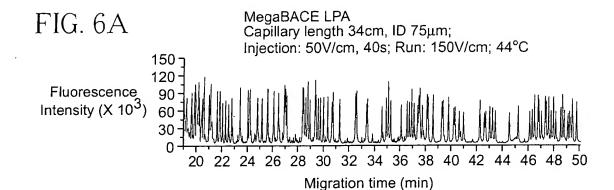
020604-2.0%; DNA: pGEM-3Zf(+) from the -21 M13 forward primer;

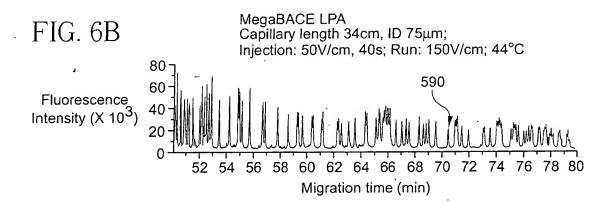
Capillary: 34/42cm; Injection: 75V/cm, 8s;

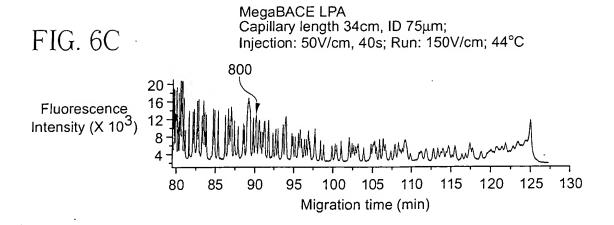
Fluorescence Intensity (x10³)



Migration Time (min)







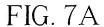
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POP6

28

30

32



Capillary: L=34cm, ID=75μm Injection: 41V/cm, 30s; Run: 200V/cm; 50°C

38

40

44

42

46 48

Fluòrescence Intensity (X 10³) 20 15

0

24

Migration Time (min)

36

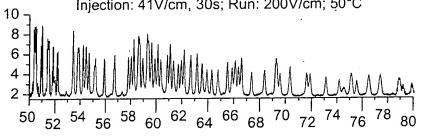
FIG. 7B

POP6 Capillary: L=34cm, ID=75µm

34

Injection: 41V/cm, 30s; Run: 200V/cm; 50°C

Fluorescence Intensity (X 10³)



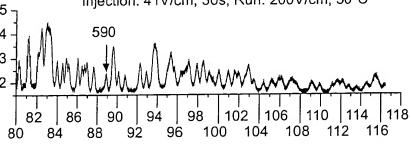
Migration Time (min)

FIG. 7C

POP6 Capillary: L=34cm, ID=75μm

Injection: 41V/cm, 30s; Run: 200V/cm; 50°C

Fluorescence Intensity (X 10³)



Migration Time (min)

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FIG. 8A

BigDye Terminator v3.0

Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Capillary length: 31 cm, ID/OD = 49/361 μm

Temperature: 60 C Running Buffer: 1xTTE+7M Urea

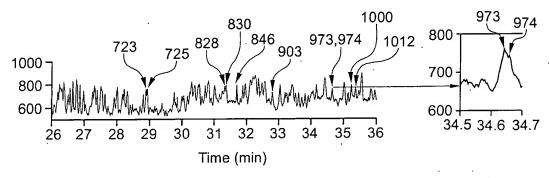


FIG. 8B

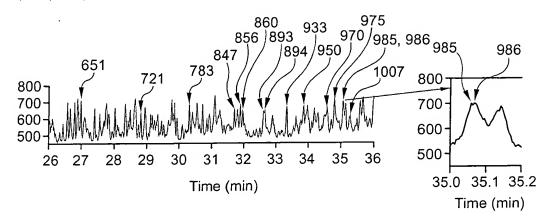
BigDye Terminator v3.0

Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Capillary length: 31 cm, ID/OD = 49/361 µm

Temperature: 60 C Running Buffer: 1xTTE+7M Urea



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FIG. 8C

BigDye Terminator v3.0

Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Capillary length: 31 cm, ID/OD = 49/361 μm

Temperature: 60 C Running Buffer: 1xTTE+7M Urea

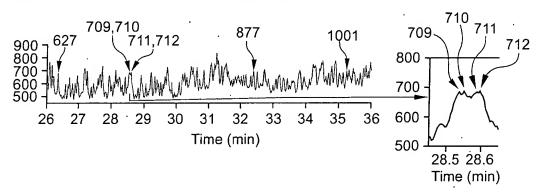


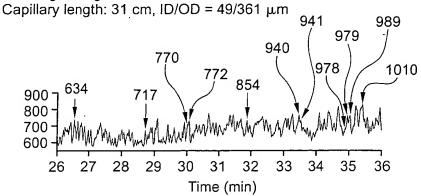
FIG. 8D

BigDye Terminator v3.0

Injection Voltage/Time: 47.6 V/cm 15 sec.

Running Voltage/cm: 200 V/cm

Temperature: 60 C Running Buffer: 1xTTE+7M Urea



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FIG. 9A

Blue-G Medium: POP6-201117

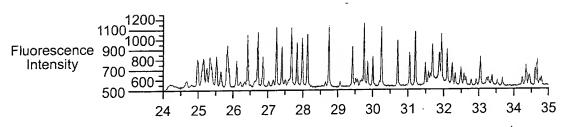
Temp:50°C

DNA: BigDye v3.0

Run V: 200v/cm

Buffer:1x(ABI buffer with EDTA)

Capillary: L = 49cm; ID ~ 50μm



Time (min)

FIG. 9B

Blue-G Medium: POP6-201117

Temp:50°C

DNA: BigDye v3.0

Buffer:1x(ABI buffer with EDTA)
Capillary: L = 49cm; ID ~ 50 µm

Run V: 200v/cm

Fluorescence 900 Intensity 700

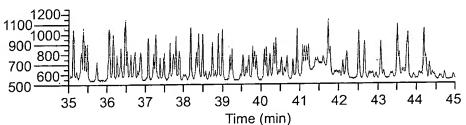


FIG. 9C

Blue-G Medium: POP6-201117

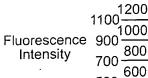
Temp:50°C

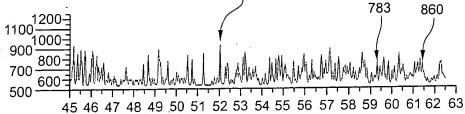
DNA: BigDye v3.0

Run V: 200v/cm

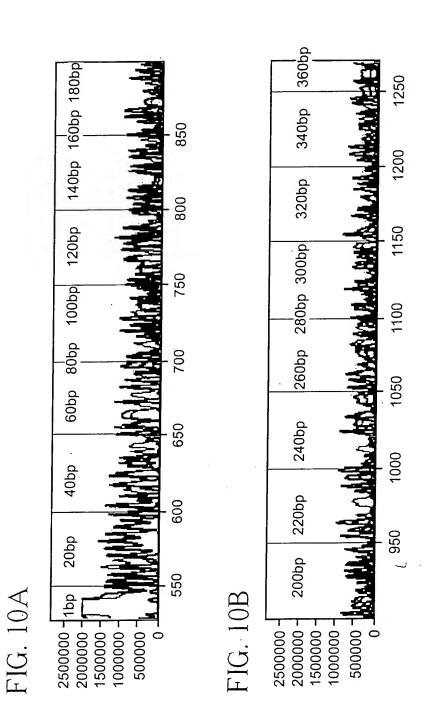
Buffer:1x(ABI buffer with EDTA)

Capillary: L = 49cm; ID ~ 50μm

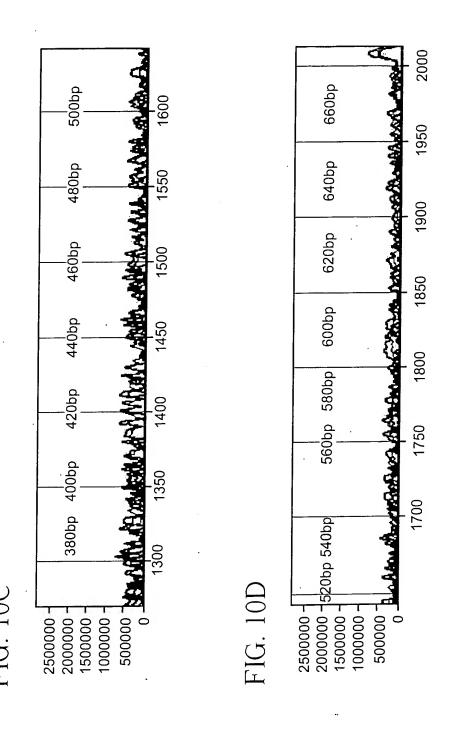




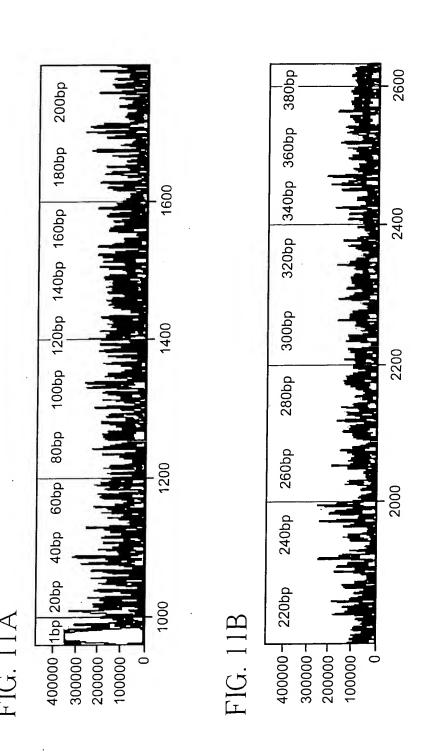
Time (min)



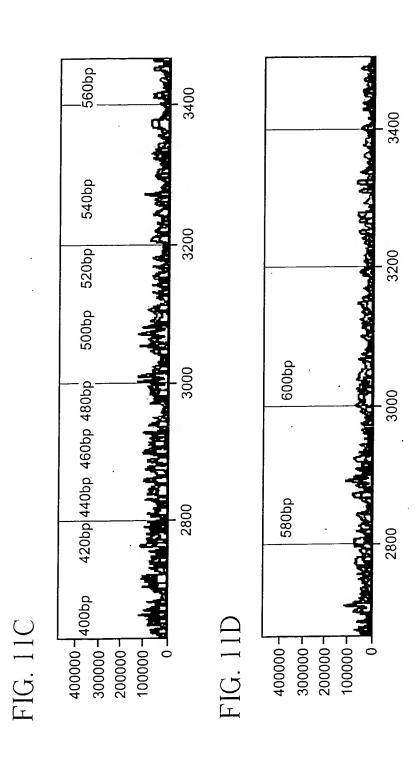
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Application Serial No.: 10/671,335 Inventors: Benjamin Chu, et al Title: Quasi-Interpenetrating Networks Used

As Separation Media Docket: 178-314 A

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FIG. 12A MPN-Blue-G Running Voltage/cm: 195.5 V/cm Injection Voltage/cm: 27 V/cm

60°C, Cap.Length: 33cm; ID/OD:50/361 μm

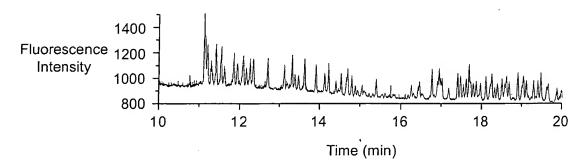


FIG. 12B MPN-Blue-G Running Voltage/cm: 195.5 V/cm

Injection Voltage/cm: 27 V/cm 60°C, Cap.Length: 33cm; ID/OD:50/361 μm

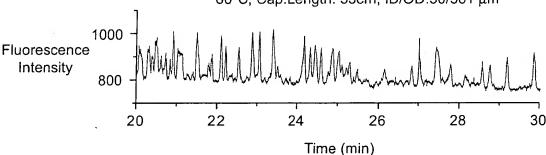
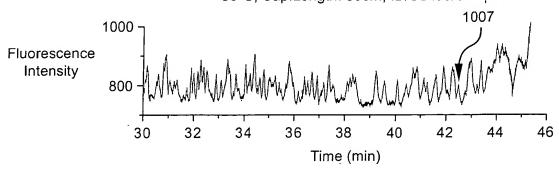
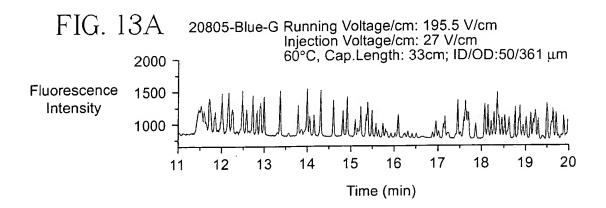
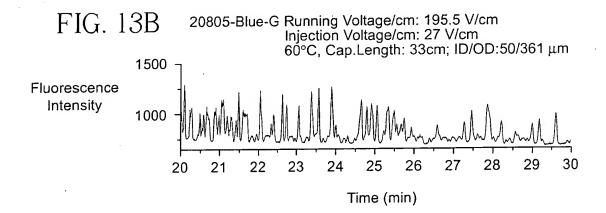


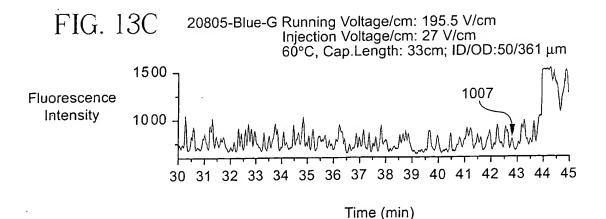
FIG. 12C MPN-Blue-G Running Voltage/cm: 195.5 V/cm Injection Voltage/cm: 27 V/cm

60°C, Cap.Length: 33cm; ID/OD:50/361 μm

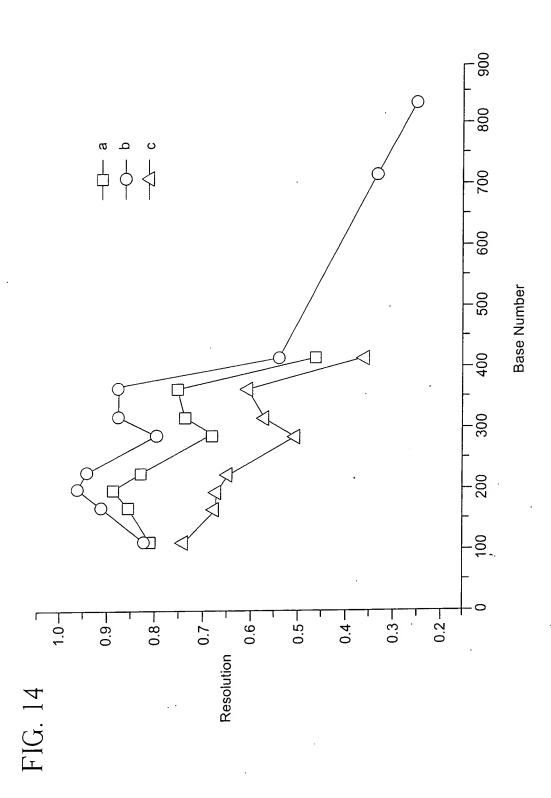




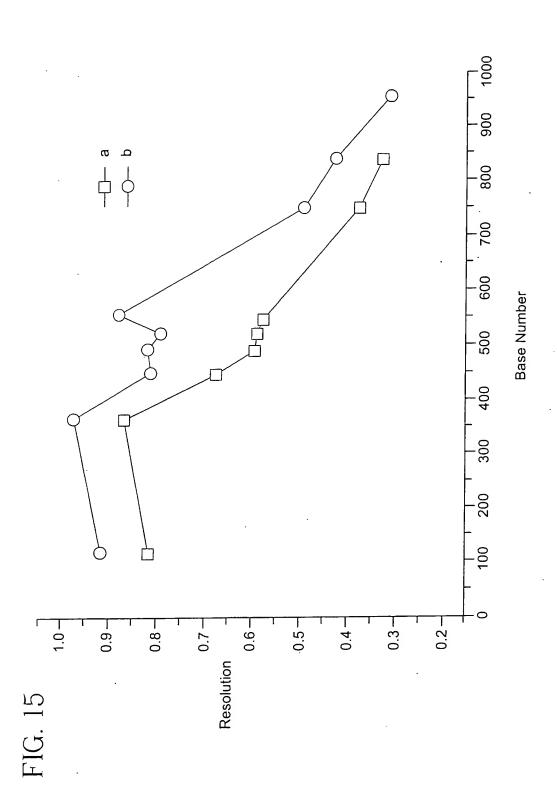




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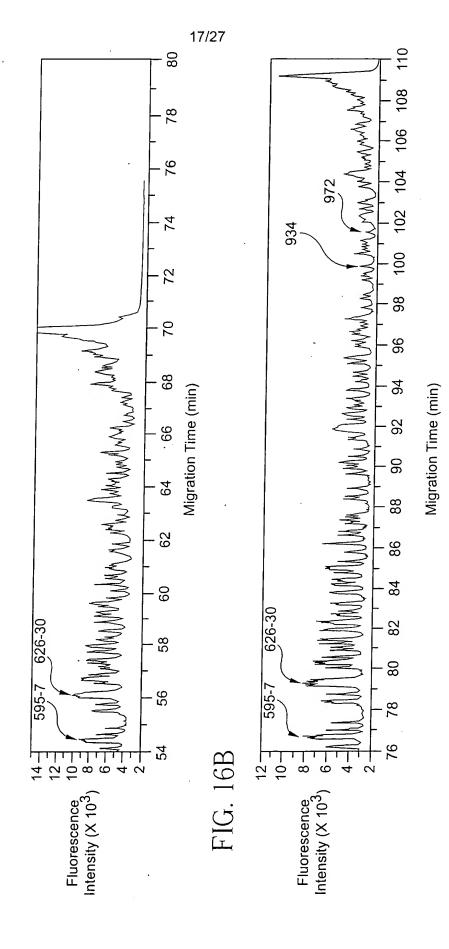
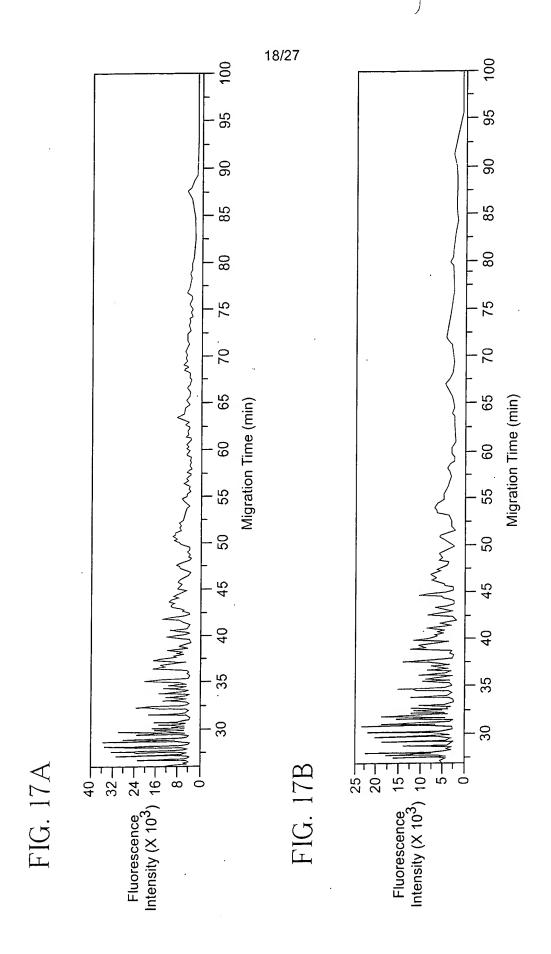
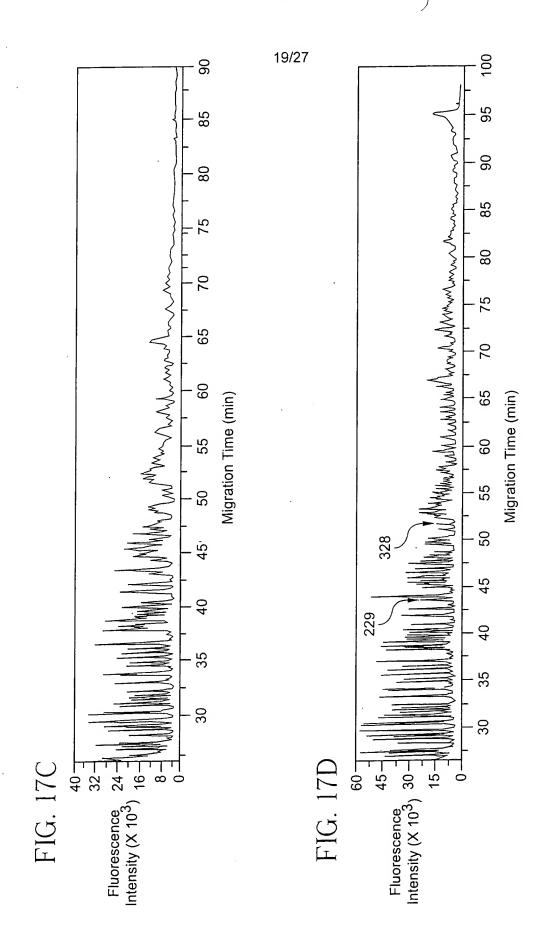
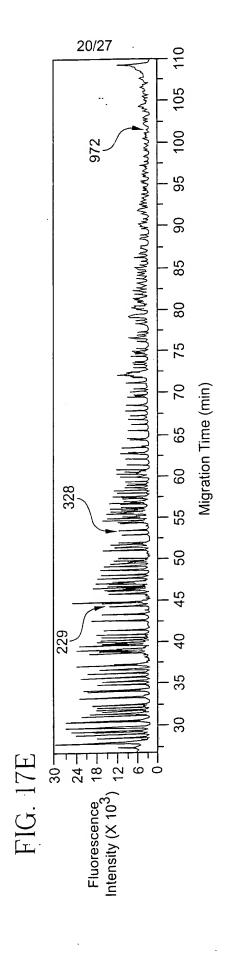


FIG. 16

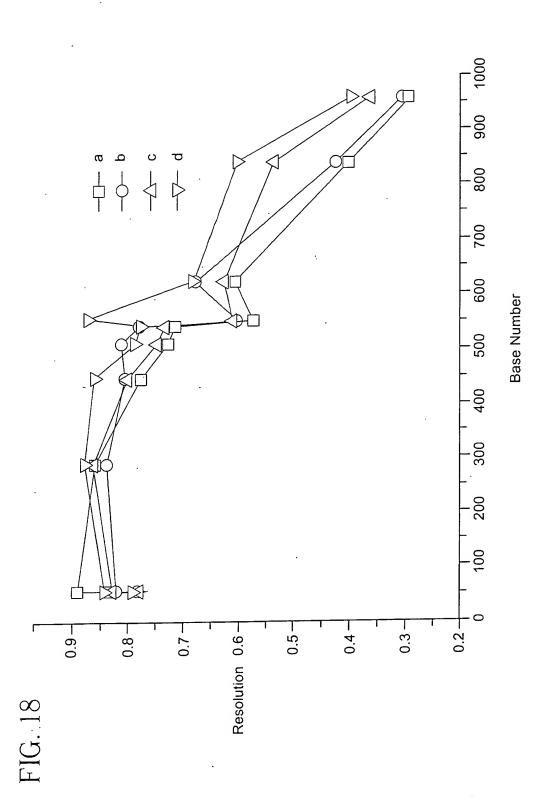
Application Serial No.: 10/671,335
Inventors: Benjamin Chu, et al
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As Separation Media
Docket: 178-314 A

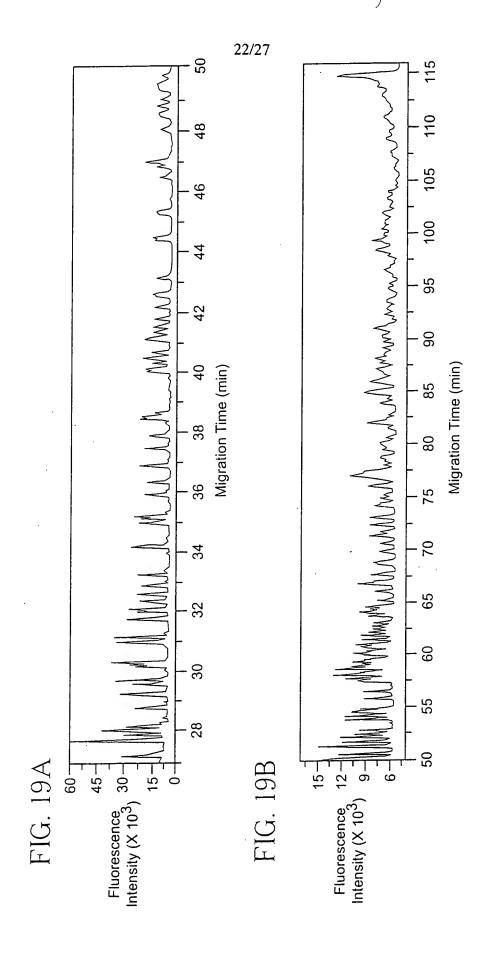






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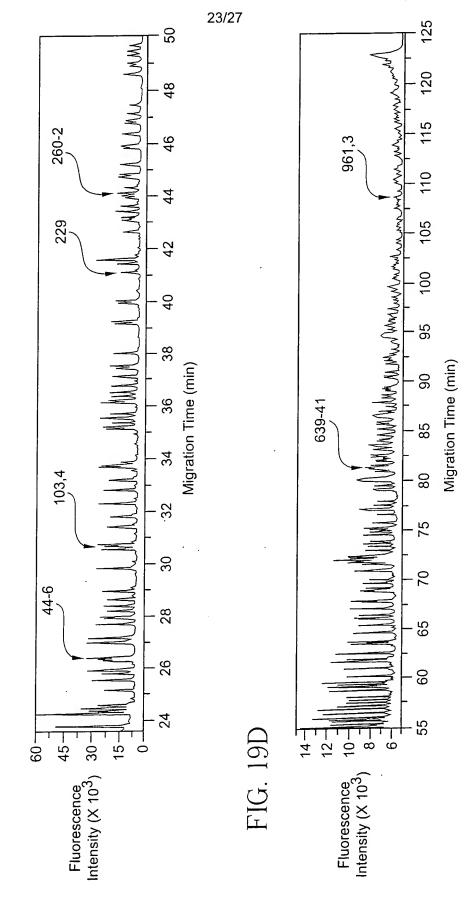
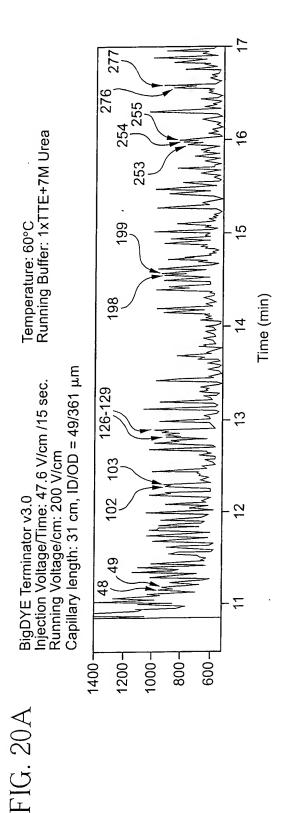
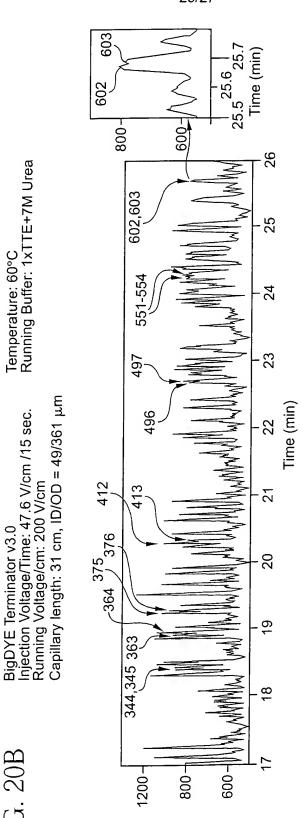


FIG. 19C

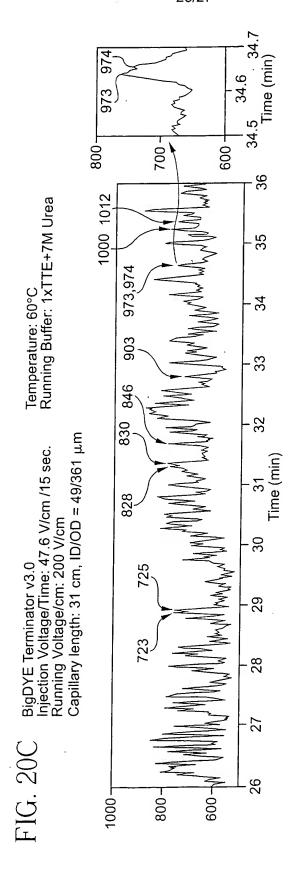
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